

**Madhya Pradesh Medical Science University, Jabalpur**  
**MBBS First Professional Examination Nov-2023**  
**Subject- Anatomy**  
**Paper-I**  
**(NEW SCHEME)**

Time: 3:00 Hours

Maximum Marks :100

**Instructions:**

a) All questions are compulsory

b) Draw diagrams wherever necessary

Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.

MCQ has to be answered in theory answer book

c)

d)

e)

Please write MCQ answer neatly and in serial order with black or blue pen in brackets; for example: - 1. (a) 2. (c)

f)

MCQ has to be answered only once, any kind of repetition or cutting or erasing or whitener will be considered as malpractice, such answers will not be counted in marks and action will be taken according to UFM rules of university.

g) Subjective answer should be answered in up to 30 words per marks. For example, if a question having 2 marks should answered in up to 60 marks.

**Q1. Total MCQS: 10 – 10 x 1 = 10**

1. Which nerve injury results in ptosis (a) trochlear (b) abducent (c) oculomotor (d) facial
2. Basal nuclei include all of the following structures except  
(a) habenular nucleus (b) globus pallidus (c) claustrum (d) corpus striatum
3. Foramen secundum is gap in  
(a) septum primum (b) septum secundum (c) septum spurium (d) septum intermedium
4. Largest peripheral parasympathetic ganglion in head and neck region is  
(a) ciliary (b) otic (c) pterygopalatine (d) submandibular
5. The red nucleus is feature of (a) cerebellum (b) midbrain (c) medulla (d) thalamus
6. Trapezius is supplied by  
(a) cranial part of accessory nerve (b) spinal part of accessory nerve (c) vago accessory compl
7. First and second lumbrical muscles of hand are supplied by which nerve  
(a) median (b) ulnar (c) radial (d) all of the above
8. Brodmann area number 18 and 19 represent  
(a) visual cortex (b) auditory cortex (c) Broca's area (d) prefrontal cortex
9. Upper half of deltoid is supplied by  
(a) upper lateral cutaneous nerve (b) lower lateral cutaneous nerve (c) posterior cutaneous ne

10. Fate of yolk sac during IUL is formation of

- (a) primitive heart tube (b) primitive gut tube (c) primitive mesonephric tube (d) pharyngeal

**Q2. Long Answer Questions – 2 x 20 = 40**

- a. Describe the tongue under the following headings
- External features
  - Development
  - Histology
  - Taste pathway
- b. Describe the heart under the following headings
- External features
  - Interior of right atrium
  - Blood supply
  - Development
  - Applied anatomy

**Q3. Brief Answer Questions – 6 x 05 = 30**

- a. Write down the different types of commissural fibers of cerebral hemisphere with a special note on corpus callosum
- b. Draw a well labeled diagram to show boundaries and contents of mid palmar space in hand
- c. Describe the floor of fourth ventricle with a labelled diagram
- d. Enumerate movements at temporomandibular joint with a special note on articular disc of joint
- e. Describe supination and pronation movement in brief
- f. What do you mean by gastrulation. Write down the fate of three germ layers of embryo

**Q4. Short Answer Questions – 10 x 2 = 20**

- a. Enumerate any two types of epiphyses of bone with examples
- b. How the notochord develops, what is its fate in adults
- c. Transition epithelium
- d. Describe the lymphatic drainage of mammary gland
- e. Draw a well labeled diagram to show histology of serous salivary gland
- f. Write any two differences between primary and secondary cartilaginous joint
- g. Write any two signs and symptoms of lateral medullary syndrome
- h. Write any two modifications of deep cervical fascia
- i. Synovial membrane
- j. Anatomical snuff box

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